ABSTRACT

A mechanism to measure voice call quality in a Voice over IP (VOIP) network using a single voice call quality test probe is described. VOIP communications devices, such as gateways, that are deployed at various points along the border of the VOIP network each are configured to play an embedded reference voice file in response to test calls placed by the test probe to those devices. The test probe measures voice call quality by recording the played voice file and comparing it to the test probe's own copy of the reference voice file. The comparison uses a standard voice call quality analysis algorithm, such as Perceptual Analysis Measurement System (PAMS) or Perceptual Speech Quality Measurement (PSQM).

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